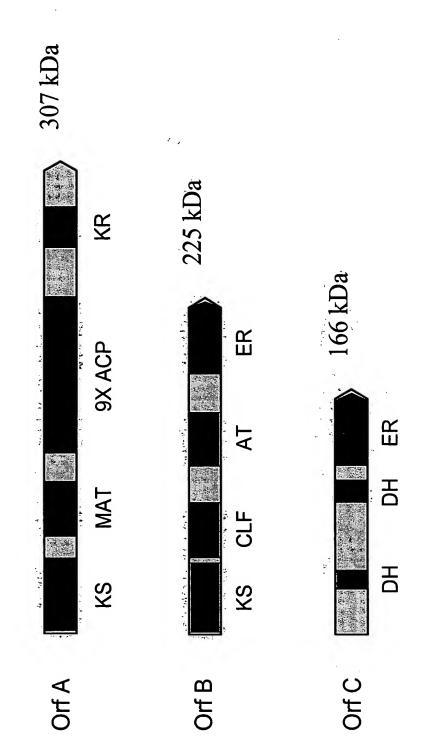


Inventor's Name: METZ et al.
Serial No. Not Yet Assigned
Docket No. 2997-49
Agent: Angela Dallas Sebor
Telephone: 303/863-9700

Sheet 1 of 3 sheets



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Title of Invention: "PUFA POLYKETIDE SYNTHASE SYSTEMS AND USED THEREOF"

Inventor's Name:

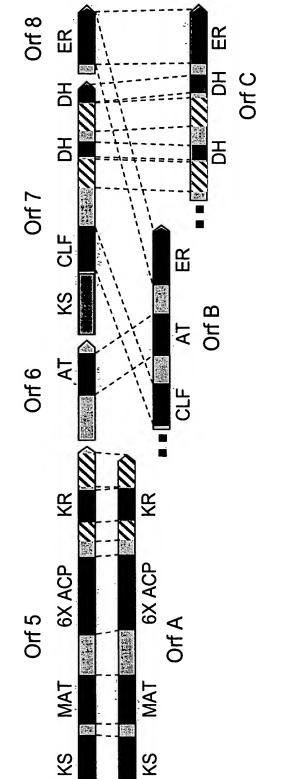
Serial No. Not Yet Assigned Docket No. 2997-49

Agent: Angela Dallas Sebor Telephone: 303/863-9700

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Comparison of PKS Orfs/domains:

Schizochytrium vs Shewanella



Amino acid sequence homology

35-50% 20-35%

20%

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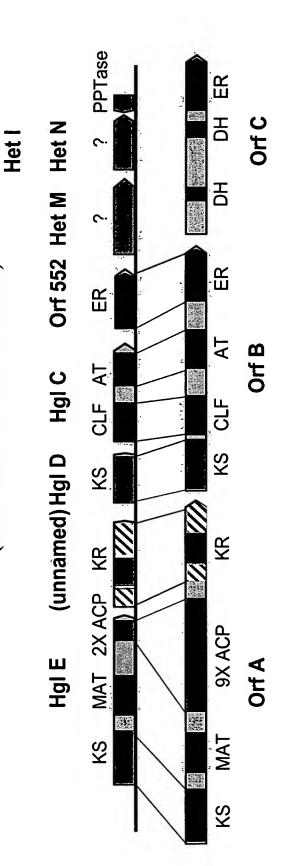


FIG. 3

3

Nostoc (7120) vs Schizochytrium

Nostoc ORFs in the Hgl/Het cluster (linear order on the chromosome)



Schizochytrium PUFA PKS ORFs (separate Orfs)



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